

Message

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**From:** Fife, Greg [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=1EBD5B1EB9104F3E93818DB928C8A313-FIFE, GREG]  
**Sent:** 5/10/2019 4:01:20 PM  
**To:** Bordelon, David [David.Bordelon@WestonSolutions.com]  
**Subject:** RE: Lowerline

That is what I was talking about. I assume that we would look for radium rather than thorium. However, with the daughters involved, its what the experts say.

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**From:** Bordelon, David <David.Bordelon@WestonSolutions.com>  
**Sent:** Friday, May 10, 2019 10:53 AM  
**To:** Fife, Greg <fife.greg@epa.gov>  
**Subject:** RE: Lowerline

Sam had suggested a program similar to Fansteel:

### 1.1.1 Air Monitoring

Air monitoring for radiological activity will be conducted during work activities. RAdECO H-810 High-Volume Air Samplers will be utilized to collect air samples from selected locations representative of work areas. Air samplers should collect a minimum of approximately 14,000 liters in order to reach 10% of the Derived Air Concentration (DAC) for thorium-232. Th-232 is the most stringent DAC of the five radionuclides of concern at the site.

Air sample filters will be counted on a Ludlum 3030 sample counter or equivalent for gross alpha and beta activity. Background and sample count times will be determined in order to reach a minimum detectable activity of no more than 10% of the most stringent DAC for the site. If radioactivity is detected on a filter, the filter will be recounted each day on the Ludlum 3030 until radioactivity is no longer detected to determine whether elevated activity is the result of radon progeny. A final analysis of the filter will occur no less than 96 hours after sample collection to allow for sufficient decay of radon progeny.



**David Bordelon**  
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**From:** Fife, Greg [<mailto:fife.greg@epa.gov>]  
**Sent:** Thursday, May 9, 2019 3:37 PM  
**To:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>  
**Subject:** RE: Lowerline

**\*\* External Email \*\***

I'm thinking we may need to add some lo-vol sampling on the perimeters. We should be able to read it with the 30-30s or 29-29s. See what Sam says.

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**From:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>  
**Sent:** Thursday, May 9, 2019 11:06 AM  
**To:** Fife, Greg <[fife.greg@epa.gov](mailto:fife.greg@epa.gov)>  
**Subject:** RE: Lowerline

Do you need anything from us? We can put together our workplan that will outline the perimeter air sampling and day to day H&S requirements. Was going to have ARS provide if they were going to sub, he said they already had one drafted.



**David Bordelon**  
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**From:** Fife, Greg [<mailto:fife.greg@epa.gov>]  
**Sent:** Thursday, May 9, 2019 9:25 AM  
**To:** Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>  
**Subject:** Re: Lowerline

**\*\* External Email \*\***

Ok.

Did you get the message that the call is now 9:45?

Sent from my iPhone

On May 9, 2019, at 9:10 AM, Bordelon, David <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)> wrote:

FYI, Greg Lord with ARS just called and said they didn't have people for the proposed schedule, so we'll provide personnel.



**David Bordelon**

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